

FIG. 1

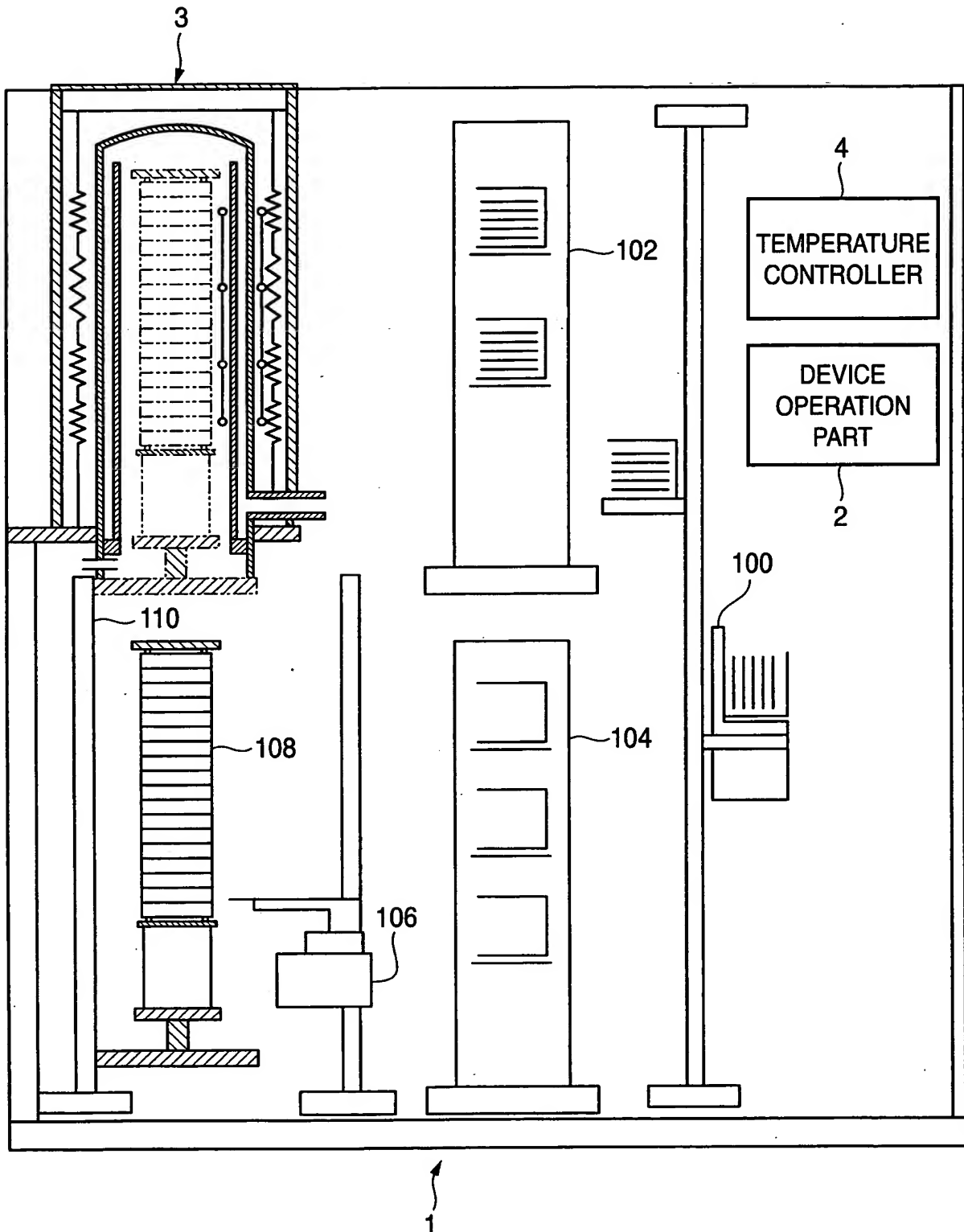
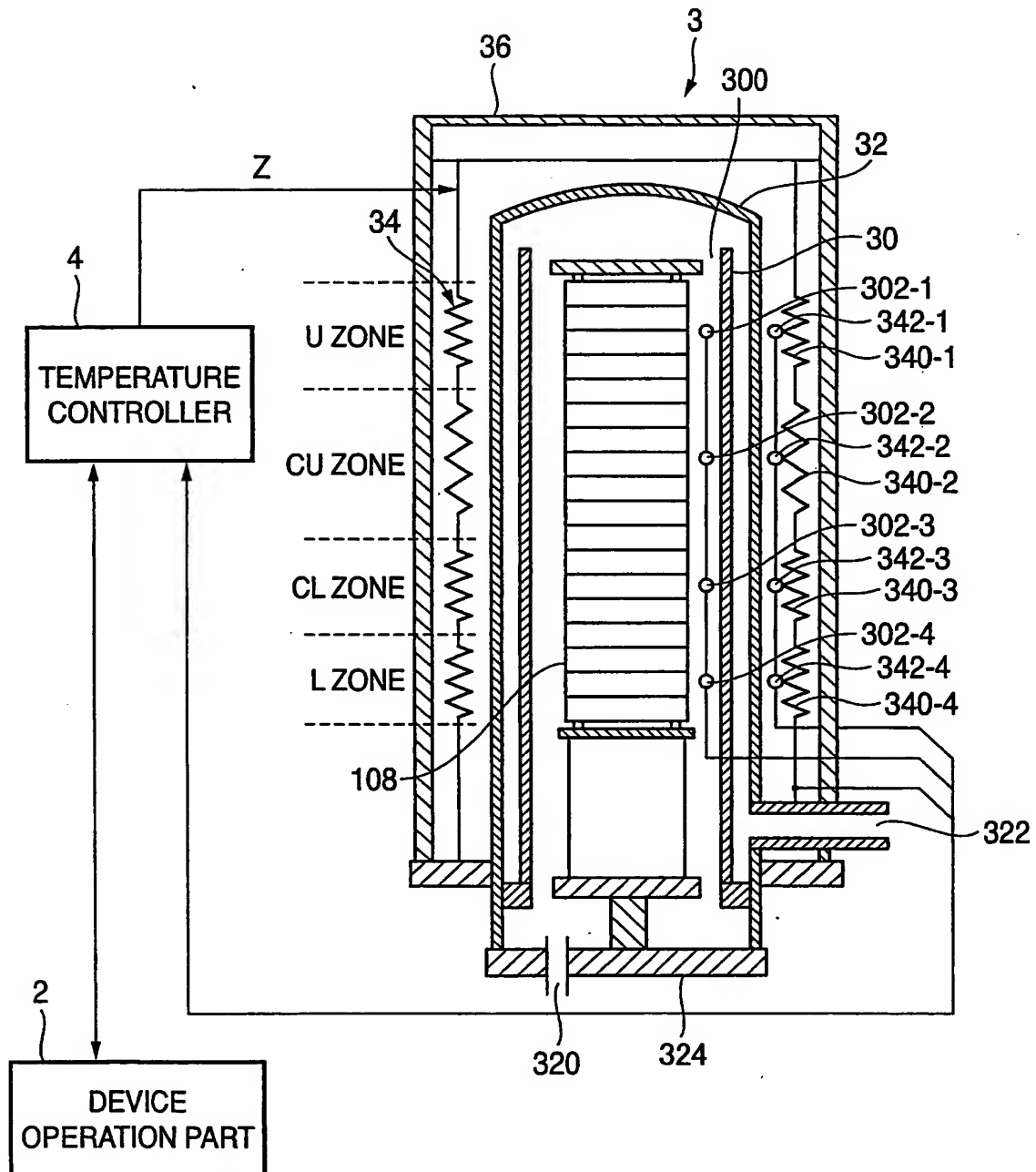
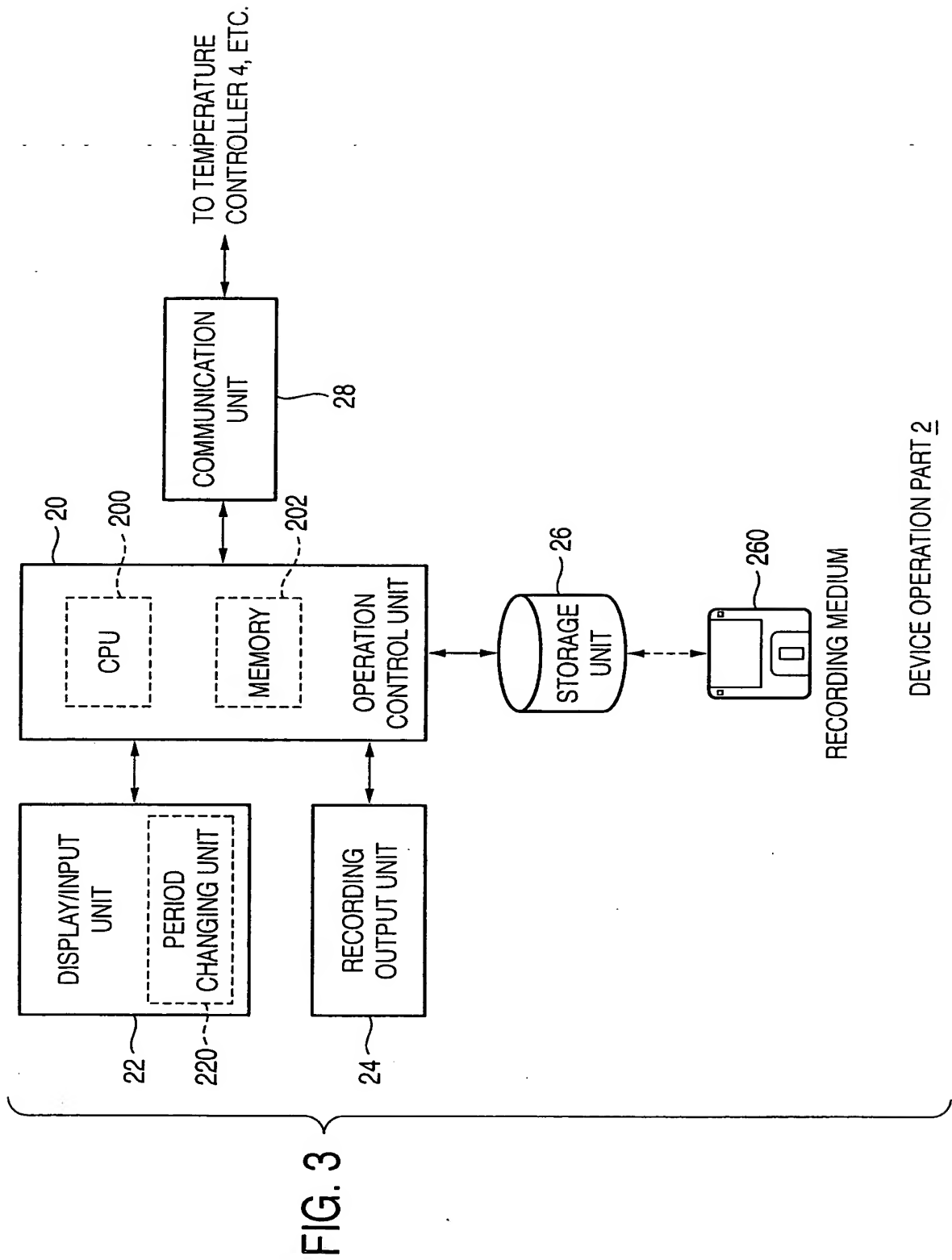


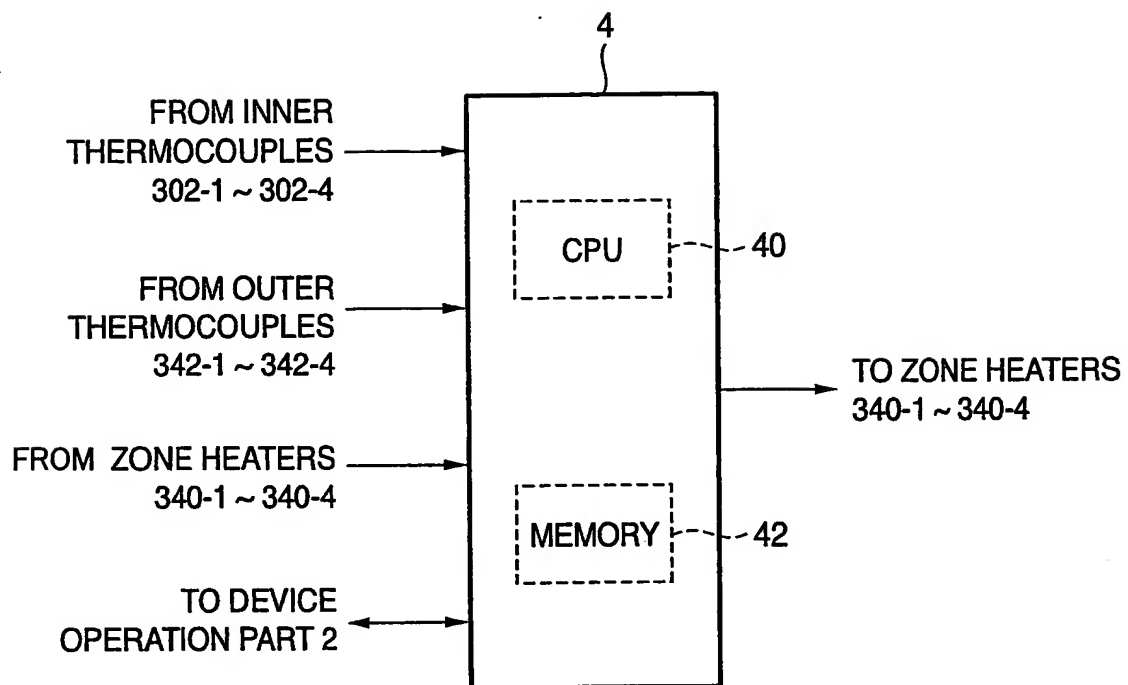
FIG. 2





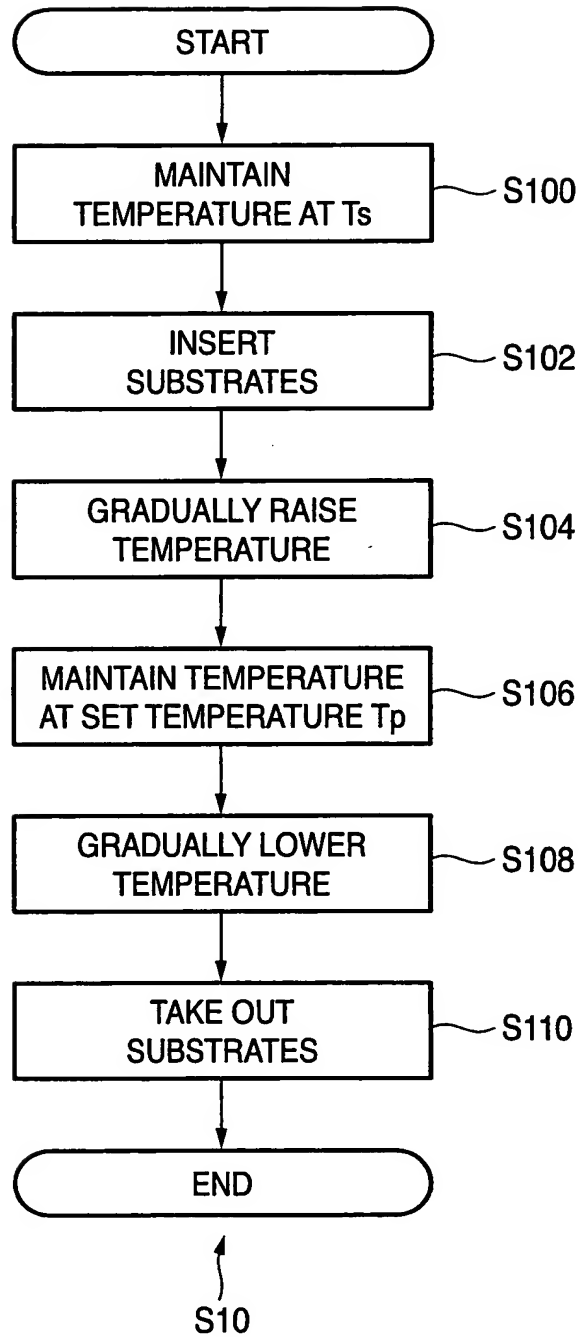
DEVICE OPERATION PART 2

FIG. 4



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FIG. 5



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FIG. 6

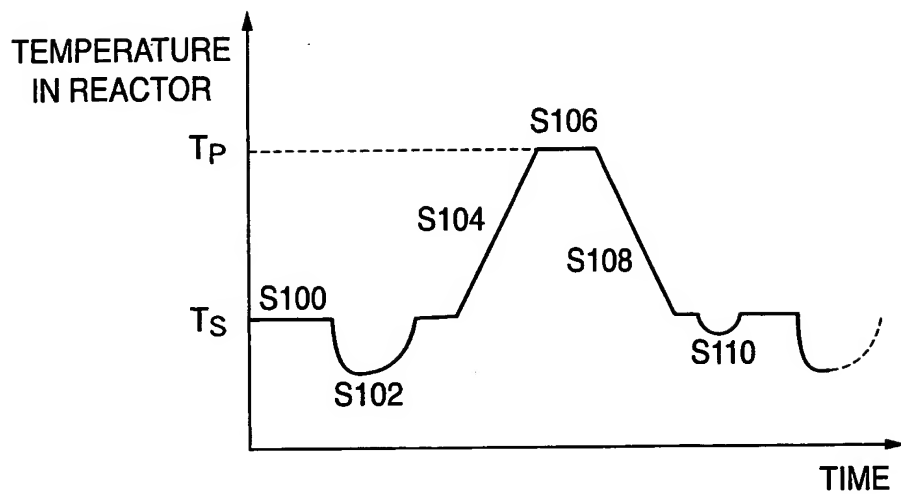


FIG. 7

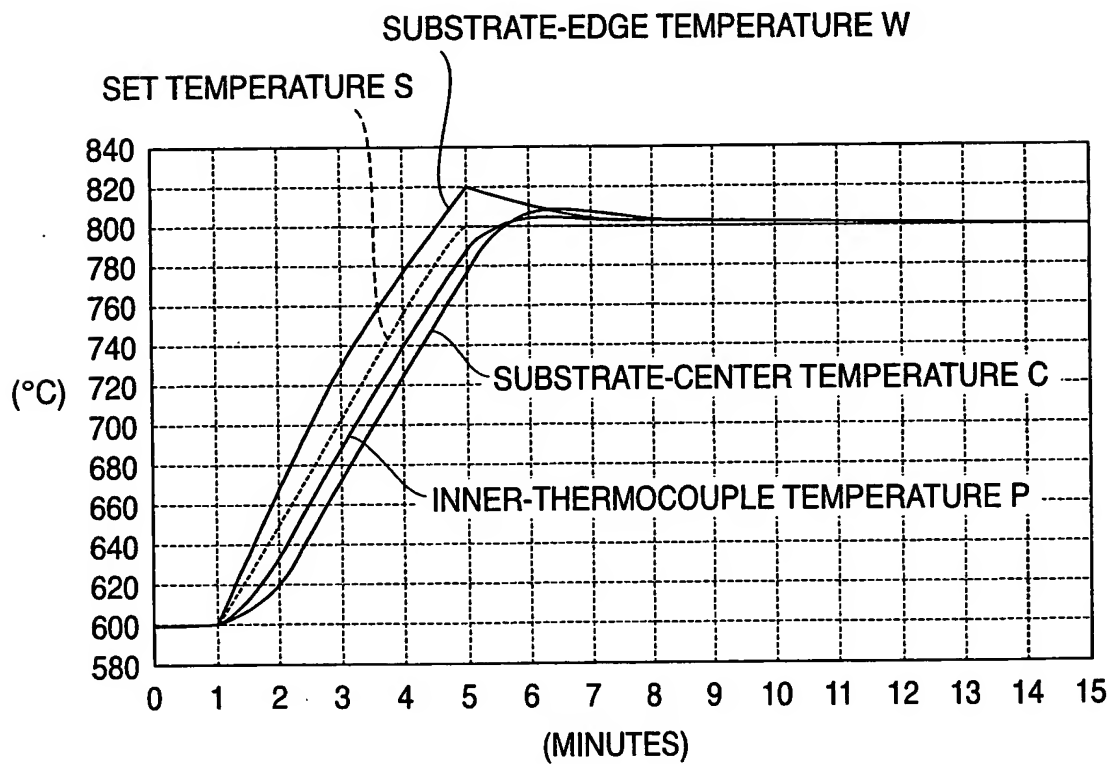


FIG. 8

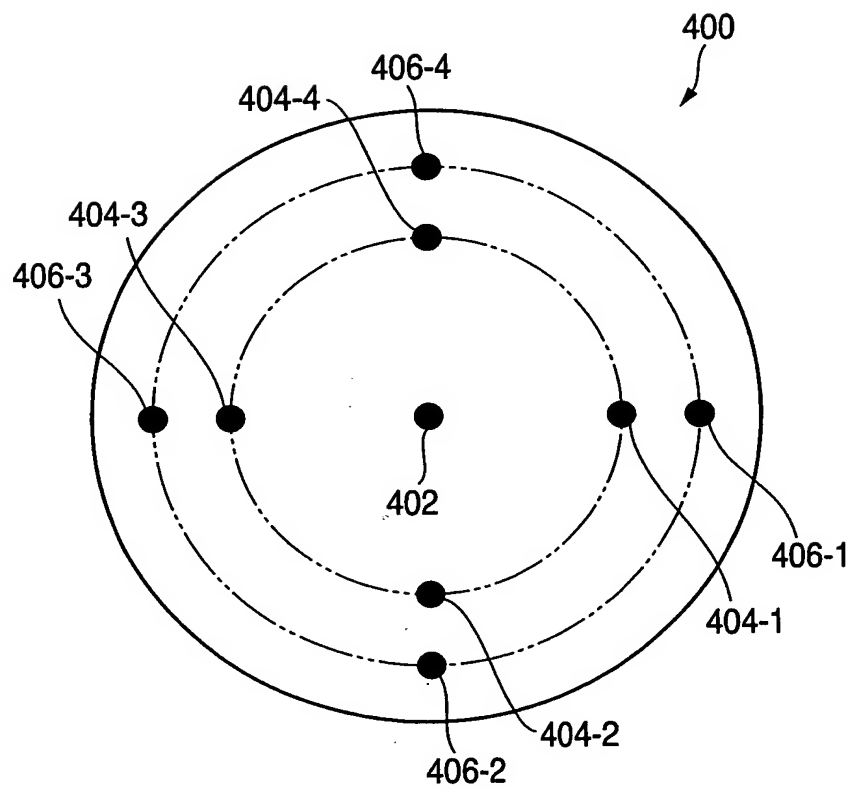
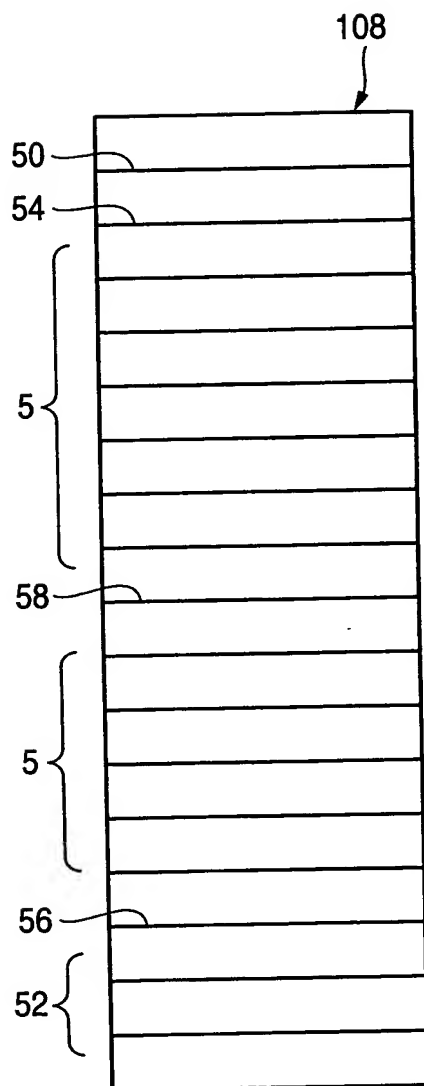


FIG. 9





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FIG. 10

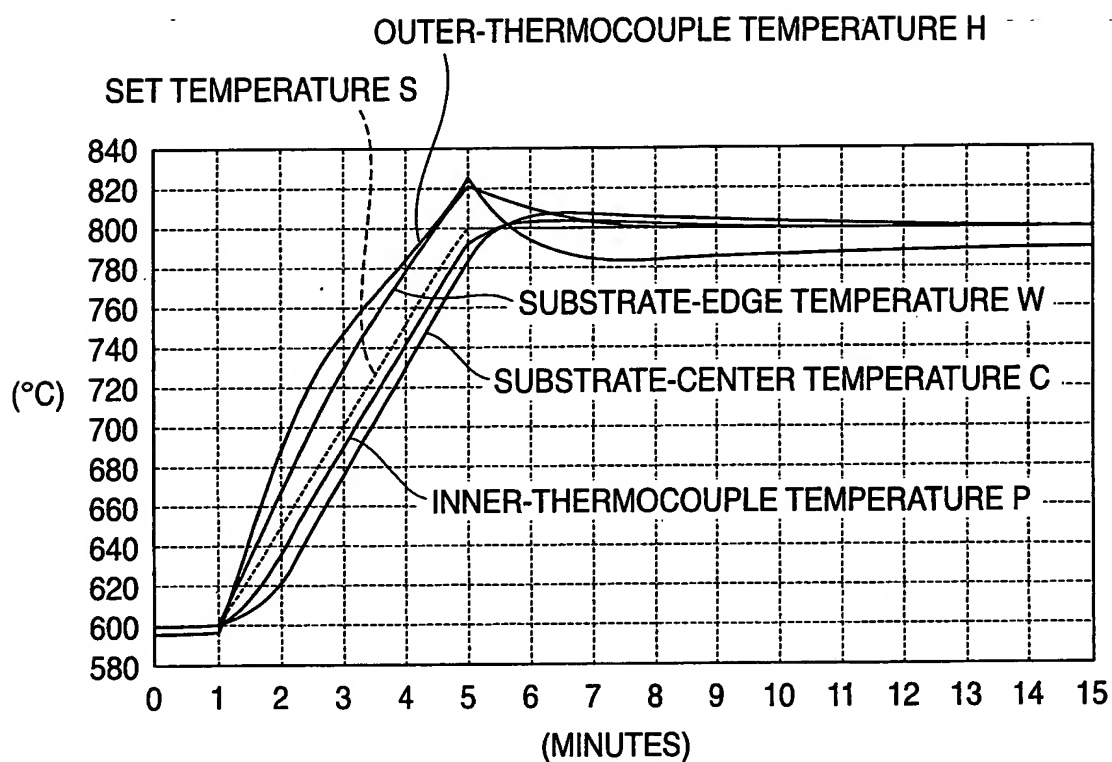


FIG. 11

	UPPER TEMPERATURE MONITOR	CENTRAL TEMPERATURE MONITOR	LOWER TEMPERATURE MONITOR
FLAT (WHEN STABLE)	852.4	853.0	853.6
U+5°C	855.6	852.7	853.2
CU+5°C	854.0	854.4	852.9
CL+5°C	852.1	857.0	855.7
L+5°C	852.3	852.6	856.7

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FIG. 12

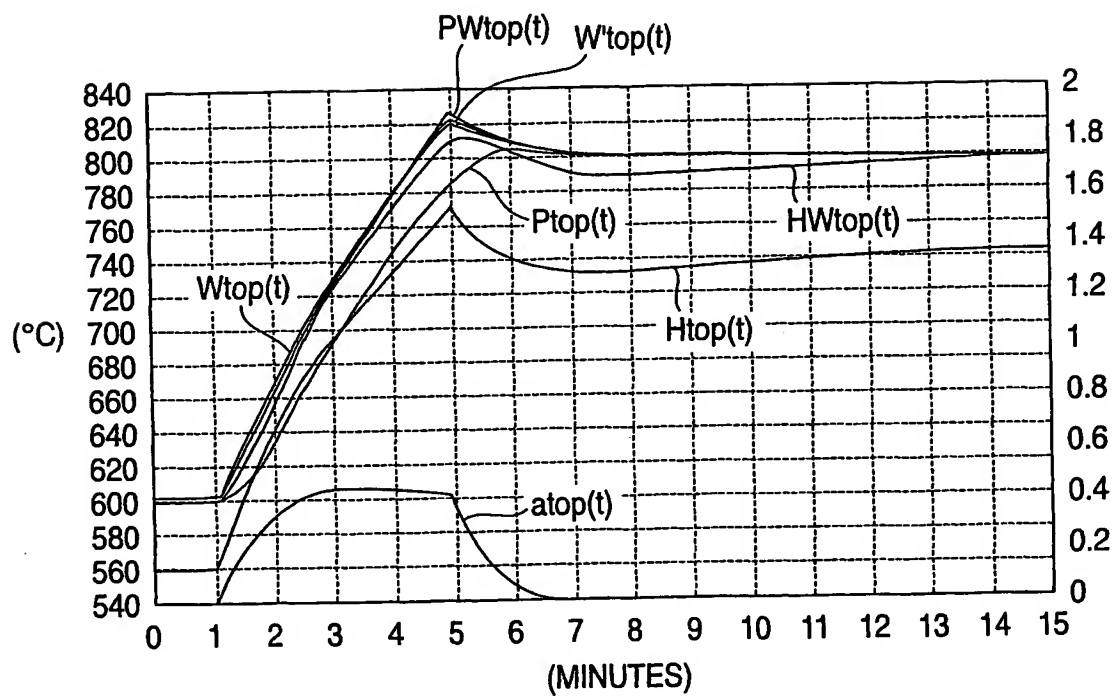
VARIATION	UPPER TEMPERATURE MONITOR	CENTRAL TEMPERATURE MONITOR	LOWER TEMPERATURE MONITOR
U	3.2	-0.3	-0.4
CU	1.6	1.4	-0.7
CL	-0.3	4.0	2.1
L	-0.1	-0.4	3.1
SUM OF VARIATIONS	4.4	4.7	4.1

FIG. 13

RATE OF VARIATION	UPPER TEMPERATURE MONITOR	CENTRAL TEMPERATURE MONITOR	LOWER TEMPERATURE MONITOR
U	0.727	-0.064	-0.097
CU	0.364	0.298	-0.171
CL	-0.068	0.851	0.512
L	-0.023	-0.085	0.756
SUM	1.000	1.000	1.000

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FIG. 14



TEMPERATURE PREDICTION PARAMETERS  
( $T_1=50$ ,  $K_1=1.074$ ,  $T_2=12S$ ,  $K_2=1.072$ ,  $b=40$ ,  $C=1.0$ )

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FIG. 15

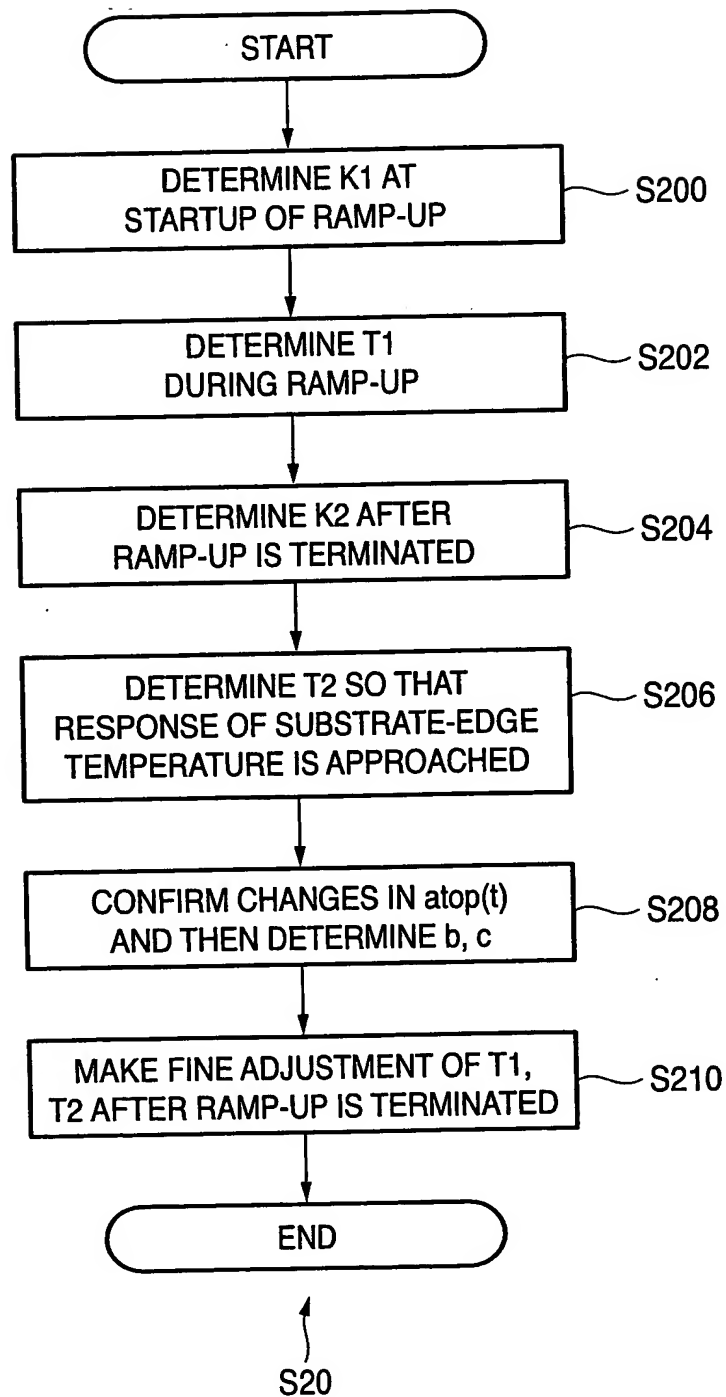


FIG. 16

	U	CU	CL	L
UPPER TEMPERATURE MONITOR	0.640	0.320	-0.060	-0.020
CENTRAL TEMPERATURE MONITOR	-0.060	0.280	0.800	-0.080
LOWER TEMPERATURE MONITOR	-0.080	-0.140	0.420	0.620

FIG. 17

	U	CU	CL	L
VIRTUAL UPPER MONITOR SUBSTRATE	1.000	0.000	0.000	0.000
UPPER TEMPERATURE MONITOR	0.640	0.320	-0.060	-0.020
CENTRAL TEMPERATURE MONITOR	-0.060	0.280	0.800	-0.080
LOWER TEMPERATURE MONITOR	-0.080	-0.140	0.420	0.620

**FIG. 18**

FILE (F) EDITION (E) DISPLAY (V) COMMUNICATION (C) TRANSFER (T) HELP (H)																																																																																																															
<div> <div>UTEMP 0000</div> <div>MONITER NUMBER 3</div> <table> <thead> <tr> <th></th><th>K1</th><th>T1</th><th>K2</th><th>T2</th><th>b</th><th>c</th><th colspan="9"></th></tr> </thead> <tbody> <tr> <td>MONITOR1</td><td>01.000</td><td>001.0</td><td>01.000</td><td>001.0</td><td>01.0</td><td>01.0</td><td colspan="9"></td></tr> <tr> <td>MONITOR2</td><td>01.000</td><td>001.0</td><td>01.000</td><td>001.0</td><td>01.0</td><td>01.0</td><td colspan="9"></td></tr> <tr> <td>MONITOR3</td><td>01.000</td><td>001.0</td><td>01.000</td><td>001.0</td><td>01.0</td><td>01.0</td><td colspan="9"></td></tr> <tr> <td>MONITOR4</td><td>01.000</td><td>001.0</td><td>01.000</td><td>001.0</td><td>01.0</td><td>01.0</td><td colspan="9"></td></tr> <tr> <td>MONITOR5</td><td>01.000</td><td>001.0</td><td>01.000</td><td>001.0</td><td>01.0</td><td>01.0</td><td colspan="9"></td></tr> </tbody> </table> <div>CAS1 CAS2 CAS3 CAS4 CAS5</div> </div>																	K1	T1	K2	T2	b	c										MONITOR1	01.000	001.0	01.000	001.0	01.0	01.0										MONITOR2	01.000	001.0	01.000	001.0	01.0	01.0										MONITOR3	01.000	001.0	01.000	001.0	01.0	01.0										MONITOR4	01.000	001.0	01.000	001.0	01.0	01.0										MONITOR5	01.000	001.0	01.000	001.0	01.0	01.0									
	K1	T1	K2	T2	b	c																																																																																																									
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FIG. 19

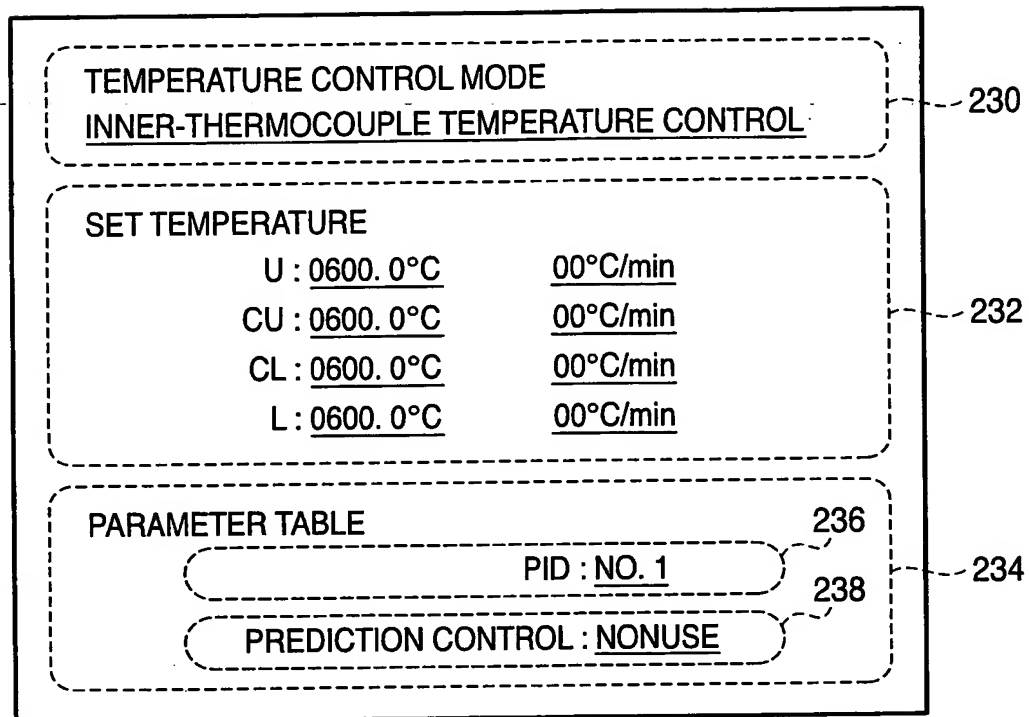


FIG. 20

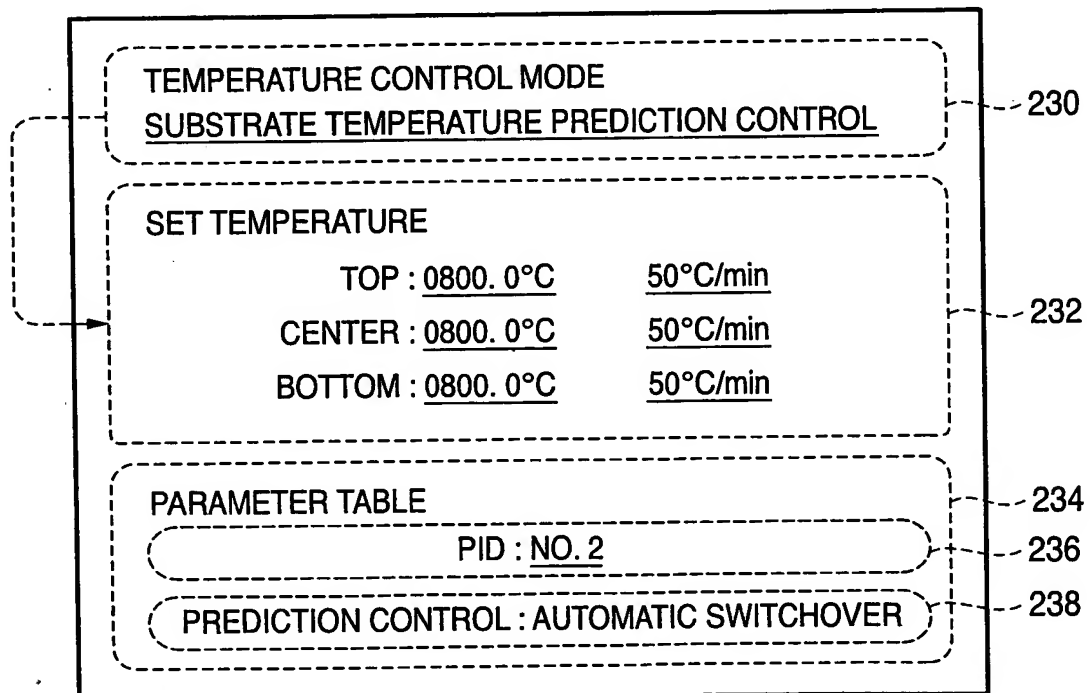


FIG. 21

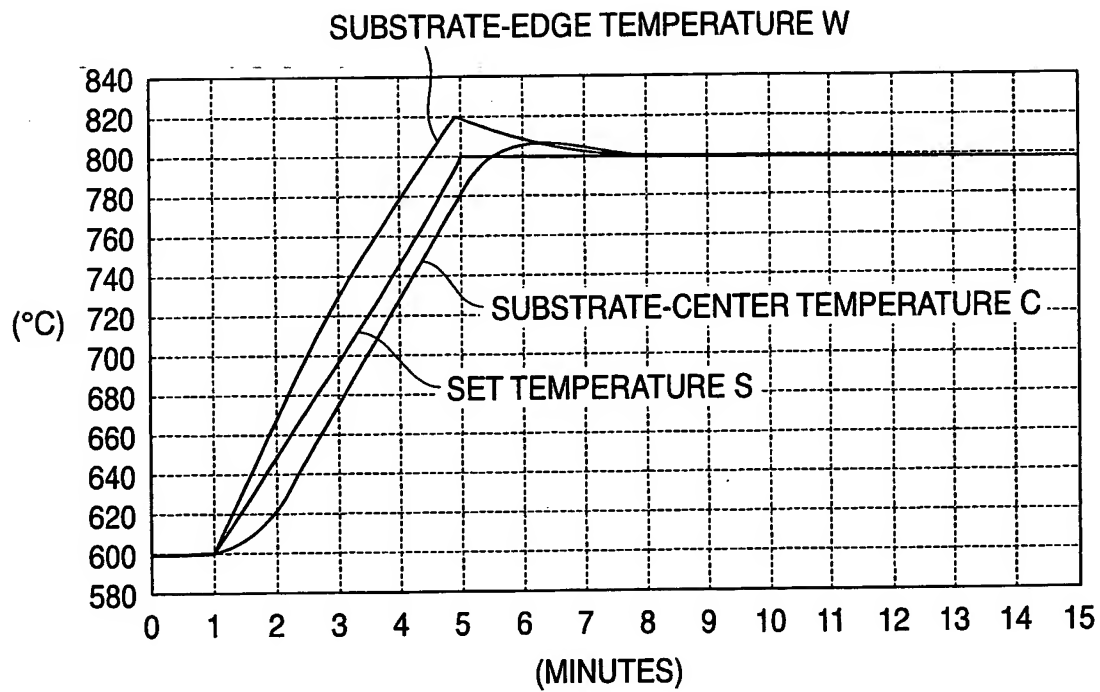


FIG. 22

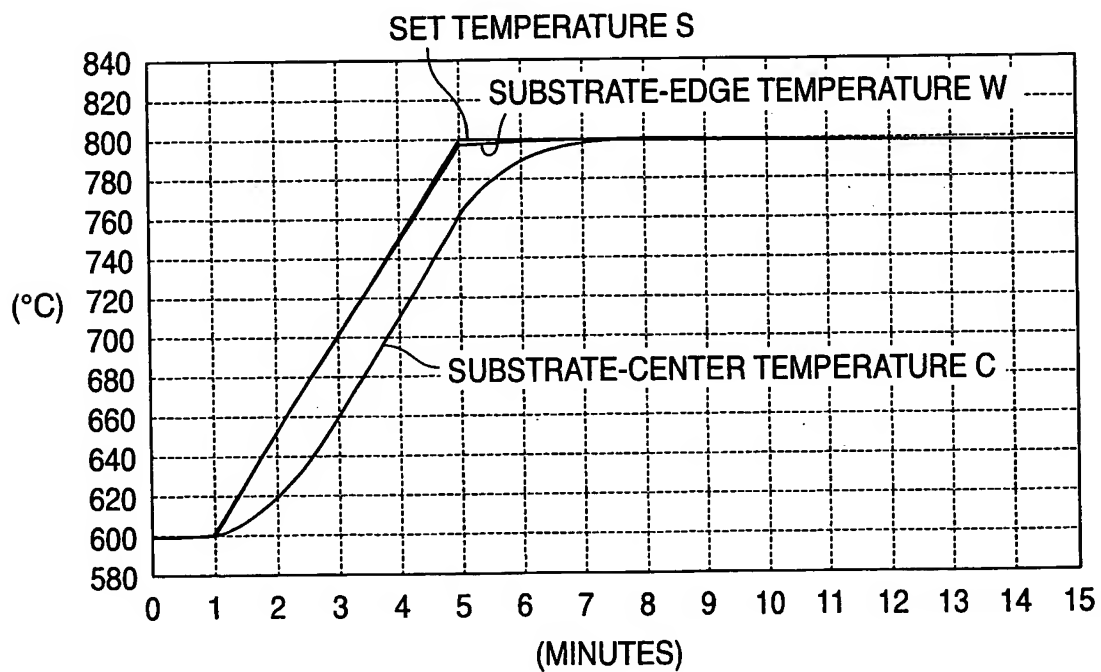




FIG. 23

